Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/01/2015 11:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122707	-2	5.46	122600	5.55
Blue	F	SSC	125000	122443	-3	2.46	123367	2.22
Blue	E	FITC	17998	17477	-3	2.74	982	9.99
Blue	D	PE	23234	22696	-3	2.19	1025	9.06
Blue	B	PerCP-Cy5-5	69571	68764	-2	2.97	1807	14.75
Blue	A	PE-Cy7	77815	76232	-3	4.15	985	28.30
Red	C	APC	65936	64819	-2	2.53	3660	8.33
Red	A	APC-Cy7	100669	99853	-1	2.55	1964	8.17
Violet	B	V450	10405	9853	-6	3.50	607	8.46
Violet	A	V500	47250	45550	-4	3.18	2571	5.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18757	30.22	628	49	N/A	N/A	Pass
Blue	F	SSC	61245	1.47	534	45	N/A	N/A	Pass
Blue	E	FITC	107	37.47	547	32	0.0199	88	Pass
Blue	D	PE	211	26.50	540	33	0.1374	124	Pass
Blue	B	PerCP-Cy5-5	218	44.88	630	40	0.0090	31	Pass
Blue	A	PE-Cy7	70	118.61	690	44	0.0116	19	Pass
Red	C	APC	341	27.77	593	15	0.0200	53	Pass
Red	A	APC-Cy7	123	40.32	575	16	0.0045	999	Pass
Violet	B	V450	65	46.33	476	26	0.0450	2384	Pass
Violet	A	V500	168	22.72	517	29	0.0134	248	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-30.99	-30.77	0.68
Blue	20.47	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.18
Red	14.94	13.09 - 19.63	N/A	N/A	31.43	31.67	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 10823

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments